

## ABSTRACT

A hydroxyl-modified ethylene- $\alpha$ -olefin copolymer with excellent coating properties and adhesion properties are produced by heating a mixture containing 100 parts by weight of an ethylene- $\alpha$ -olefin copolymer and 0.1 to 20 parts by weight of a peroxide having a hydroperoxy group. The heating temperature is adjusted within a range from the 10-hour half-life temperature to the 1-minute half-life temperature of the peroxide.